

Abstract

A method and corresponding apparatus for an oval carbonator employ an oblong housing to provide an improved gas/water interaction area within the confines of the carbonator. The increased cross sectional area provides a larger water surface area, whereby an increased amount of the pressurized gas is exposed to the increased surface area. Further advantages of the oval carbonator include a simplification of the tubing bundles that are cast into the cold plate. The oval carbonator consolidates the volumes previously used by the carbonator, thereby allowing the tubing bundles to be consolidated. Consolidation of this type translates into reduced manufacturing time and increased savings due to the simplified design.